

Clause 47 Report

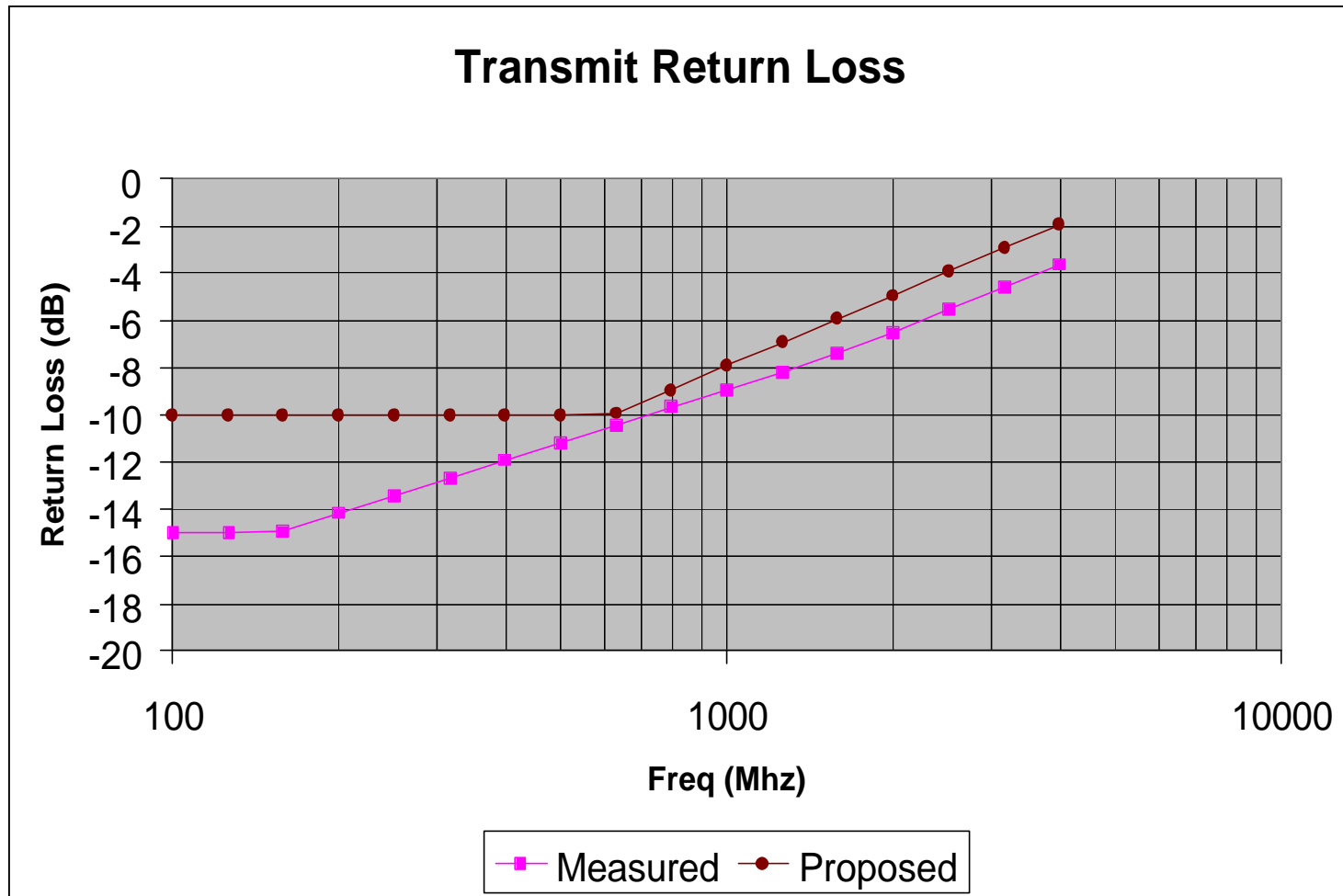
Prepared By:

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Comment Resolution

- Resolved all 10 comments
- 4 TRs, 2 on Return Loss, 2 on Jitter Distribution
 - #37: Transmit Differential Return Loss
 - AIP, Satisfied, Resolved with new equation to replace text
 - #4: Rx Return Loss S/B = Tx Return
 - No problem provided with Rx Return Loss
 - Rejected, Unsatisfied
 - #286: Template (mask) alignment/jitter distribution
 - AIP, changed “p-p” to “from the mean” values
 - #287: Template (mask) alignment/jitter distribution
 - Accept

#37: XAUI Return Loss



#37: Equation

$S_{dd11} = -10 \text{ dB}$ for $312.5 \text{ Mhz} < \text{Freq (f)} < 625 \text{ Mhz}$, and
 $-10 + 10 \cdot \log(f/625) \text{ dB}$ for $625 \text{ Mhz} \leq \text{Freq (f)} < 3.125 \text{ GHz}$

- Made the corresponding change to the "Differential output return loss minimum" parameter in table 47-1, Driver Characteristics.
- Note that the return loss spec embodied in the equation above is different from that currently specified in D4.0.
- The impact of loosening transmitter return loss results in an increase in return loss contribution to deterministic jitter from 0.03 UI to 0.049 UI. This increase is considered to meet the existing XAUI jitter budget.